

SPE



PATENT
P56963

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

JUNG-GI KIM

Serial No.: 10/727,641

Examiner: *To be assigned*

Filed: 5 December 2003

Art Unit: 2661

For: VoIP CALL CONTROL APPARATUS IN PRIVATE BRANCH EXCHANGE AND
METHOD THEREOF

INFORMATION DISCLOSURE STATEMENT

Mail Stop: Application Number

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

FOREIGN PATENT REFERENCE:

- European Patent Application No. EP 0 920 176 A2 and A3 to Cruickshank, entitled AUTOMATIC BACKUP TRUNKING FOR VOICE OVER THE INTERNET, published on 2 June 1999 and 5 September 2001; and
- Japanese Patent Publication No. 2000-115372 to Hirato, entitled PRIVATE BRANCH EXCHANGE, OPTIMIZING COST ROUTING SYSTEM USED FOR THE SAME, AND RECORDING MEDIUM WITH ITS CONTROL PROGRAM RECORDED THEREIN, published on 21 April 2000.

OTHER DOCUMENT:

- *Search and Examination Report under Sections 17 & 18(3)* from the British Patent Office issued in Applicant's corresponding British Patent Application No. GB0328611.9 (dated 25 May 2004).

DISCUSSION

As written in the British Search and Examination Report issued by the British Patent Office on the 23th April 2004 in applicant's corresponding British Patent application corresponding to applicant's above-captioned U.S. Patent Application, **Cruickshank**, EP'176 A2 and A3 relates to a PBX preferentially establishes a call to a destination number (DN) over a WAN or the internet to reduce telephone toll costs to a user. The PBX determines the available connection types available by querying look-up tables for the particular DN. If no alternatives to the PSTN are available, the call is routed over the PSTN. Where a WAN or internet connection is available, the call is then routed over this alternative service. If the Quality of Service (QoS) over the computer network connection falls below a specified threshold, a second parallel connection is made over the PSTN and the call is then transferred to the PSTN. The user is notified of this change in service. During the PSTN connection, the PBX polls the alternative service and, upon the QoS rising above a specified threshold, the call is then routed back to the alternative service and the PSTN connection is torn down.

Hirato, JP'372 relates to a CPU 3 of the private branch exchange 1 which calculates and compares respective speech charges when a leased line 7 and carriers a, b of a public network 8 are use, ranks them in the order of offered cheaper cost, and checks idle/occupied lines according to the order of cheaper cost. When an idle line is used for an internet phone call, the CPU 3 requests

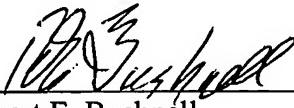
transmission of a packet transmission time and traffic information required for the internet phone call. The CPU 3 receiving them compares the obtained transmission time and the traffic information with preset threshold data to discriminate speech quality of the internet phone call and transmits the call to a subscriber terminal 11, according to the discrimination result.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

Pursuant to 37 CFR § 1.97(d), the undersigned attorney hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three(3) months prior to the filing of the statement.

No fee is incurred by this Statement.

Respectfully submitted,



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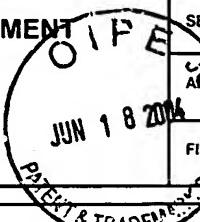
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INFORMATION DISCLOSURE STATEMENT

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APPLICANT

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FILING DATE 5 December 2003

GROUP 2661

U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

TRANSLATION

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	EP 0 920 176 A2	06/99	EUROPE			Abstract	
	EP 0 920 176 A3	09/01					
	JP 2000-115372	04/00	JAPAN			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

Search and Examination Report under Sections 17 & 18(3) from the British Patent Office issued in Applicant's corresponding British Patent Application No. GB0328611.9 (dated 25 May 2004).

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.